

Wednesday 17-OCT-2018:

Keynote talk and contributed oral presentations of PCaPAC 2018:

Paper ID	Time	Speaker	Abstract Title
WEKT1	09:20-10:20 Wednesday 17-OCT-18	Wei-Chao Chen (Skywatch)	Abstraction or Instantiation: On Building the Internet for Smarter Places
WEC1	10:40-10:55 Wednesday 17-OCT-18	Matthias R. Clausen (DESY)	The Does and Dont's in Process Controls - Lessons Learned Over 35 Years
WEC2	10:55-11:10 Wednesday 17-OCT-18	Yung-Sen Cheng (NSRRC)	Status of the TPS Control System
WEC3	11:10-11:25 Wednesday 17-OCT-18	Yingbing Yan (SSRF)	Overview and Status of the SHINE Control System
WEC4	11:25-11:40 Wednesday 17-OCT-18	Chungming Paul Chu (IHEP)	HEPS Controls Status Update
WEC5	11:40-11:55 Wednesday 17-OCT-18	Andrea Michelotti (INFN/LNF)	ICHAOS General Status Report

Poster-in-Pills presentations of PCaPAC 2018:

Paper ID	Time	Speaker	Abstract Title
WEPI1	11:55-11:58 Wednesday 17-OCT-18	Dragutin Maier-Manojlovic (PSI)	EtherCAT Driver and Tools for EPICS and Linux at PSI
WEPI2	11:58-12:01 Wednesday 17-OCT-18	Vincent Michel (ESRF)	BLISS - Experiments Control for ESRF Beamline
WEPI3	12:01-12:04 Wednesday 17-OCT-18	Garrett Bischof (BNL)	A General Solution for Complex Vacuum System Controls
WEPI4	12:04-12:07 Wednesday 17-OCT-18	Michael Ludwig (CERN)	Developing and Validating OPC-UA Based Industrial Controls for Power Supplies at CERN
WEPI5	12:07-12:10 Wednesday 17-OCT-18	Changhor Kuo (NSRRC)	Wireless Internet of Thing Application in the TLS
WEPI6	12:10-12:13 Wednesday 17-OCT-18	Yifan Song (NSRL)	Data Archiving and Visualization of IRFEL
WEPI7	12:13-12:16 Wednesday 17-OCT-18	Gustavo Segura (CERN)	Innovative Graphical User Interfaces Development: Give the Power Back to Users
WEPI8	12:16-12:19 Wednesday 17-OCT-18	Alessandro Stecchi (INFN/LNF)	A Universal System Based on WebSocket and JSON for the Employment of LabVIEW External Drivers

Thursday 18-OCT-2018:

Keynote talk and contributed oral presentations of PCaPAC 2018:

Paper ID	Time	Speaker	Abstract Title
THKT1	09:00-10:00 Thursday 18-OCT-18	David Chiu (LargitData)	Delivering Machine Learning Engineering in Scientific Research
THCA1	10:50-11:05 Thursday 18-OCT-18	Damir Anicic (PSI)	Quest for the New Standard PSI IOC Platform
THCA2	11:05-11:20 Thursday 18-OCT-18	Feng Qiu (KEK)	Development of MicroTCA-based Low-level Radio Frequency Control Systems at cERL and STF
THCA3	11:20-11:35 Thursday 18-OCT-18	Chih-Hsien Huang (NSRRC)	A Feedback/feedforward System at the TPS and Its Component Performance
THCA4	11:35-11:50 Thursday 18-OCT-18	Takemasa Masuda (JASRI/Spring-8)	Development of a Network-based Timing and Tag Information Distribution System for Synchrotron Radiation Experiments at SPring-8
THCA5	11:50-12:05 Thursday 18-OCT-18	Birgit Plötzeneder (ELI Beamlines)	Rethinking PLCs: Industrial Ethernet for Large-Scale Real-Time Distributed Control Applications
THCB1	13:30-13:45 Thursday 18-OCT-18	Jan Szczesny (DESY)	ACOP.NET : Not Just Another GUI Builder!
THCB2	13:45-14:00 Thursday 18-OCT-18	Takashi Kosuge (KEK)	Development of ACOP .NET STARS Transport Layer
THCB3	14:00-14:15 Thursday 18-OCT-18	Reinhard Bacher (DESY)	Improving Web2CHMI Gesture Recognition Using Machine Learning
THCB4	14:15-14:30 Thursday 18-OCT-18	Laurence Stant (DLS)	Leveraging Internet of Things Developments for Rapid Prototyping of Synoptic Displays
THCB5	14:30-14:45 Thursday 18-OCT-18	Sandra Biedron (Element Aero)	AI for Accelerator Controls and Modeling

Poster-in-Pills presentations of PCaPAC 2018:

Paper ID	Time	Speaker	Abstract Title
THPI1	14:45-14:48 Thursday 18-OCT-18	Dave Pepler (STFC/RAL)	Upgrading the Synchronisation and Trigger Systems on the Vulcan High-Power Nd:glass Laser
THPI2	14:48-14:51 Thursday 18-OCT-18	Hyunchang Jin (IBS)	Current Status of the RAON Machine Protection System Development
THPI3	14:51-14:54 Thursday 18-OCT-18	Uwe Ristau (EMBL)	Marvin Update -- The Robotic Sample Mounting System at the EMBL-Hamburg
THPI4	14:54-14:57 Thursday 18-OCT-18	Shuei Yamada (J-PARC/KEK)	Real-time and Detailed Provision of J-PARC Accelerator Operation Information from the Accelerator Control LAN to the Office LAN
THPI5	14:57-15:00 Thursday 18-OCT-18	Minoru Tanigaki (Kyoto University)	Development and Current Status of KURAMA-II
THPI6	15:03-15:06 Thursday 18-OCT-18	Chunyi Wu (NSRRC)	Improvement Reliability of the Insertion Device Control in TPS
THPI7	15:06-15:09 Thursday 18-OCT-18	Pei-Chen Chiu (NSRRC)	Long-term Position Stability Observed from Electron BPM and Photon BPM for TPS
THPI8	15:09-15:12 Thursday 18-OCT-18	Roengrut Rujanakraikarn (SLRI)	Design and Implementation of Stepper Motor Control of the LINAC High Power RF System Based on FPGA

Friday 19-OCT-2018:

Keynote talk and contributed presentations of PCaPAC 2018:

Paper ID	Time	Speaker	Abstract Title
FRKT1	09:00-10:00 Friday 19-OCT-18	Trista Chen (Inventec)	Bootstrapping AI Adoption for Smart Manufacturing
FRCA1	10:00-10:15 Friday 19-OCT-18	Wolfgang Mexner (KIT)	New Collaborative Approach to Scientific Data Management with NOVA
FRCA2	10:15-10:30 Friday 19-OCT-18	Yu-Zheng Lin (NSRRC)	Development of a Task-Oriented Chatbot Application for Monitoring Taiwan Photon Source Front-End System
FRCB1	10:50-11:05 Friday 19-OCT-18	Pavel Bastl (Institute of Physics of the ASCR)	Ultra Fast Data Acquisition in ELI Beamlines
FRCB2	11:05-11:20 Friday 19-OCT-18	Yifan Song (NSRL)	Design and Construction of the Data Warehouse Based on Hadoop Ecosystem at HLS-II
FRCB3	11:20-11:35 Friday 19-OCT-18	Weijia Wang (KIT)	Novel Concept of Off-detector Electronics Based on Machine Learning for High Energy Physics
FRCB4	11:35-11:50 Friday 19-OCT-18	Jia Liu (IHEP)	The Application for Fault Diagnosis and Prediction of Power Supply Control Device on BEPCII
FRCC1	13:30-13:45 Friday 19-OCT-18	Mikhail Sizov (BINP SB RAS)	FPGA-based Image Processing System for Electron Beam Welding Facility
FRCC2	13:45-14:00 Friday 19-OCT-18	Pablo Fernandez Carmona (PSI)	Continuous Beam Scanning Intensity Control of a Medical Proton Accelerator Using a Simulink Generated FPGA Gain Scheduled Controller
FRCC3	14:00-14:15 Friday 19-OCT-18	Gustavo Segura (CERN)	CERN Supervision, Control and Data Acquisition System for Radiation and Environmental Protection
FRCC4	14:15-14:30 Friday 19-OCT-18	Christopher Alberto Guerrero (BNL)	Maintenance and Optimization of Insertion Devices at NSLS-II Using Motion Controls